SEQUENCE LISTING

<110> University Paris 13
CNRS

<120> PEPTIDE INCREASING FUSIOGENIC CAPACITY OF A GAMETE

<130> 3665-180

<140> US 10/579,921
<141> 2004-11-19

<160> 17

<170> PatentIn version 3.3

<210> 1
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)..(16)
<223> Tripeptide

<400> 1

Cys Leu Phe Met Ser Lys Glu Arg Met Cys Arg Pro Ser Phe Glu Glu
1 5 10 15

Cys Asp Leu Pro Glu Tyr Cys Asn Gly Ser Ser Ala Ser Cys
20 25 30

<210> 2
<211> 30
<212> PRT
<213> Mus musculus

<400> 2

Cys Lys Leu Lys Arg Lys Gly Glu Val Cys Arg Leu Ala Gln Asp Glu
1 5 10 15

Cys Asp Val Thr Glu Tyr Cys Asn Gly Thr Ser Glu Val Cys
20 25 30

<210> 3
<211> 30
<212> PRT
<213> Cavia porcellus

<400> 3

Cys Glu Phe Lys Thr Lys Gly Glu Val Cys Arg Glu Ser Thr Asp Glu
1 5 10 15

Cys Asp Leu Pro Glu Tyr Cys Asn Gly Ser Ser Gly Ala Cys
20 25 30

<210> 4
<211> 30
<212> PRT
<213> Oryctolagus cuniculus

<400> 4

Cys Thr Phe Lys Glu Arg Gly Gln Ser Cys Arg Pro Pro Val Gly Glu
1 5 10 15

Cys Asp Leu Phe Glu Tyr Cys Asn Gly Thr Ser Ala Leu Cys
20 25 30

<210> 5
<211> 30
<212> PRT
<213> Macaca fascicularis

<400> 5

Cys Leu Phe Met Ser Gln Glu Arg Cys Cys Arg Pro Ser Phe Asp Glu
1 5 10 15

Cys Asp Leu Pro Glu Tyr Cys Asn Gly Thr Ser Ala Ser Cys
20 25 30

<210> 6
<211> 30
<212> PRT
<213> Bos taurus

<400> 6

Cys Ala Phe Ile Pro Lys Gly His Ile Cys Arg Gly Ser Thr Asp Glu
1 5 10 15

Cys Asp Leu His Glu Tyr Cys Asn Gly Ser Ser Ala Ala Cys
20 25 30

<210> 7
<211> 30

<212> PRT
<213> Rattus norvegicus

<400> 7

Cys Asn Leu Lys Ala Lys Gly Glu Leu Cys Arg Pro Ala Asn Gln Glu
1 5 10 15

Cys Asp Val Thr Glu Tyr Cys Asn Gly Thr Ser Glu Val Cys
20 25 30

<210> 8
<211> 30
<212> PRT
<213> Sus scrofa

<400> 8

Cys Ser Phe Met Ala Lys Gly Gln Thr Cys Arg Leu Thr Leu Asp Glu
1 5 10 15

Cys Asp Leu Leu Glu Tyr Cys Asn Gly Ser Ser Ala Ala Cys
20 25 30

<210> 9
<211> 6
<212> PRT
<213> artificial sequence

<220>
<223> peptide FEEc

<220>
<221> DISULFID
<222> (1)..(6)

<400> 9

Cys Ser Phe Glu Glu Cys
1 5

<210> 10
<211> 17
<212> PRT
<213> artificial sequence

<220>
<223> cyclic peptide

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> F or L

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> K, M or I

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> K, R or Q

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> G or E

<220>
<221> MISC_FEATURE
<222> (8)..(9)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (12)..(14)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (15)..(15)
<223> Q, D or E

<400> 10

Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Arg Xaa Xaa Xaa Xaa Glu
1 5 10 15

Cys

<210> 11
<211> 23

<212> PRT
<213> artificial sequence

<220>
<223> cyclic peptide

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> F or L

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> K, M or I

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> K, R or Q

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> G or E

<220>
<221> MISC_FEATURE
<222> (8)..(9)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (12)..(14)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (15)..(15)
<223> Q, D or E

<220>
<221> MISC_FEATURE
<222> (19)..(19)
<223> L or V

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> any amino acid

<400> 11

Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Arg Xaa Xaa Xaa Xaa Glu
1 5 10 15

Cys Asp Xaa Xaa Glu Tyr Cys
20

<210> 12
<211> 30
<212> PRT
<213> artificial sequence

<220>
<223> cyclic peptide

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> F or L

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> K, M or I

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> K, R or Q

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> G or E

<220>
<221> MISC_FEATURE

<222> (8)..(9)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (12)..(14)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (15)..(15)
<223> Q, D or E

<220>
<221> MISC_FEATURE
<222> (19)..(19)
<223> L or V

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (25)..(25)
<223> G or E

<220>
<221> MISC_FEATURE
<222> (26)..(26)
<223> T or S

<220>
<221> MISC_FEATURE
<222> (28)..(28)
<223> A, E or G

<220>
<221> MISC_FEATURE
<222> (29)..(29)
<223> any amino acid

<400> 12

Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Arg Xaa Xaa Xaa Xaa Glu
1 5 10 15

Cys Asp Xaa Xaa Glu Tyr Cys Asn Xaa Xaa Ser Xaa Xaa Cys
20 25 30

<210> 13
<211> 8
<212> PRT
<213> artificial sequence

<220>
<223> cyclic peptide

<220>
<221> MISC_FEATURE
<222> (3)..(5)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Q, D or E

<400> 13

Cys Arg Xaa Xaa Xaa Xaa Glu Cys
1   5

<210> 14
<211> 14
<212> PRT
<213> artificial sequence

<220>
<223> cyclic peptide

<220>
<221> MISC_FEATURE
<222> (3)..(5)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Q, D or E

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> L or V

<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> any amino acid

<400> 14

Cys Arg Xaa Xaa Xaa Xaa Glu Cys Asp Xaa Xaa Glu Tyr Cys
1   5   10

<210> 15
<211> 21
<212> PRT
<213> artificial sequence

<220>
<223> cyclic peptide

<220>
<221> MISC_FEATURE
<222> (3)..(5)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> Q, D or E

<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> L or V

<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (16)..(16)
<223> G or E

<220>
<221> MISC_FEATURE
<222> (17)..(17)
<223> T or S

<220>
<221> MISC_FEATURE
<222> (19)..(19)
<223> A, E or G

<220>
<221> MISC_FEATURE
<222> (20)..(20)
<223> any amino acid

<400> 15

Cys Arg Xaa Xaa Xaa Xaa Glu Cys Asp Xaa Xaa Glu Tyr Cys Asn Xaa
1 5 10 15

Xaa Ser Xaa Xaa Cys
20

<210> 16
<211> 6
<212> PRT
<213> artificial sequence

<220>
<223> cyclic peptide

<220>
<221> MISC_FEATURE
<222> (2)..(3)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> Q, D or E

<400> 16

Cys Xaa Xaa Xaa Glu Cys
1 5

<210> 17
<211> 6
<212> PRT
<213> artificial sequence

<220>
<223> cyclic peptide

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> any amino acid

<400> 17

Cys Xaa Phe Glu Glu Cys
1 5